MAIN PROJECT

DOMAIN NAME: JAVA

GYM MANAGEMENT SYSTEM

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Submitted To:-

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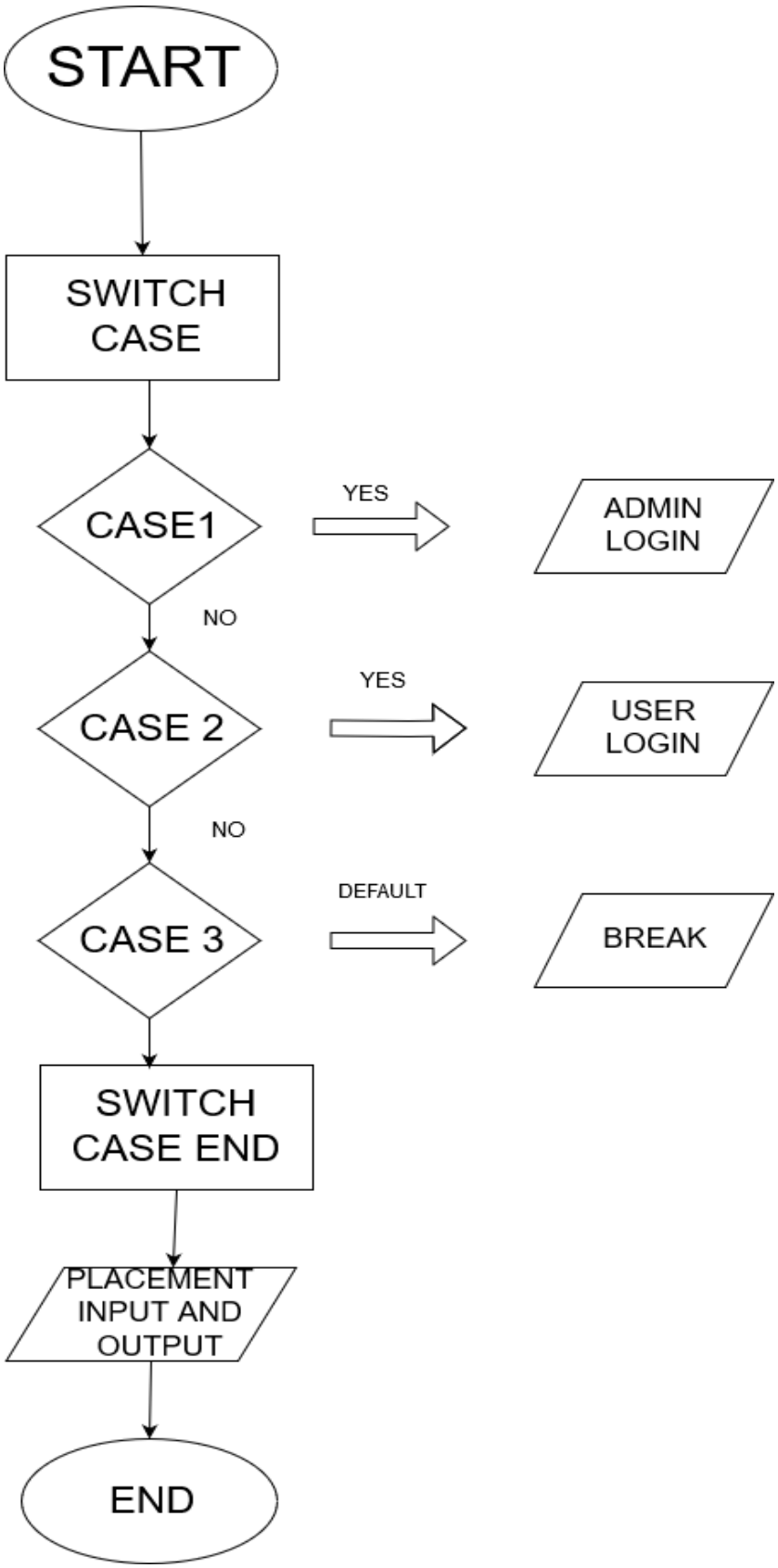
FLOW CHART


START
SWITCH CASE
CASE1
YES
ADMIN LOGIN
NO
CASE 2
YES
USER LOGIN
NO
CASE 3
DEFAULT
BREAK
SWITCH CASE END
PLACEMENT INPUT AND OUTPUT
END

SOFTWARE SPECIFICATIONS

- OPERATING SYSTEM : Linux / Windows
- ENVIRONMENT : Intellij IDEA Community

  Edition

HARDWARE SPECIFICATIONS

- PROCESSOR : Intel(R) Core(TM) i3-7020U CPU @ 2.30 GHz 2.30GHz
- RAM : 8GB SD RAM
- HARD DISK : 1 TB
- FLOPPY DRIVE : 1.44 MB

DESCRIPTIONS:

INTRODUCTION:

This project is designed to facilitate a gymming and fitness center to automate its operations of keeping records and store gym management system project in form of a large and user friendly database for gym management system project facilitating easy access to gym management system project.

DESCRIPTION:

It is the project which aims in developing an application form to maintain the records of the Customer for gym. It is managed by the admin to

maintain the data records such as user details.

- **PROS:**

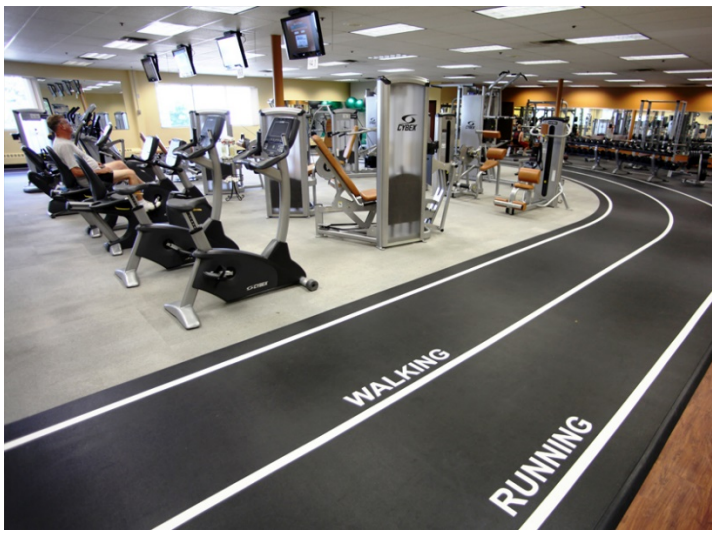
- Online Portal: Members can check their fitness progress.
- Time-Saving: Reduces manual human effort.
- Cloud-based: Store all data forever.

- **CONS:**

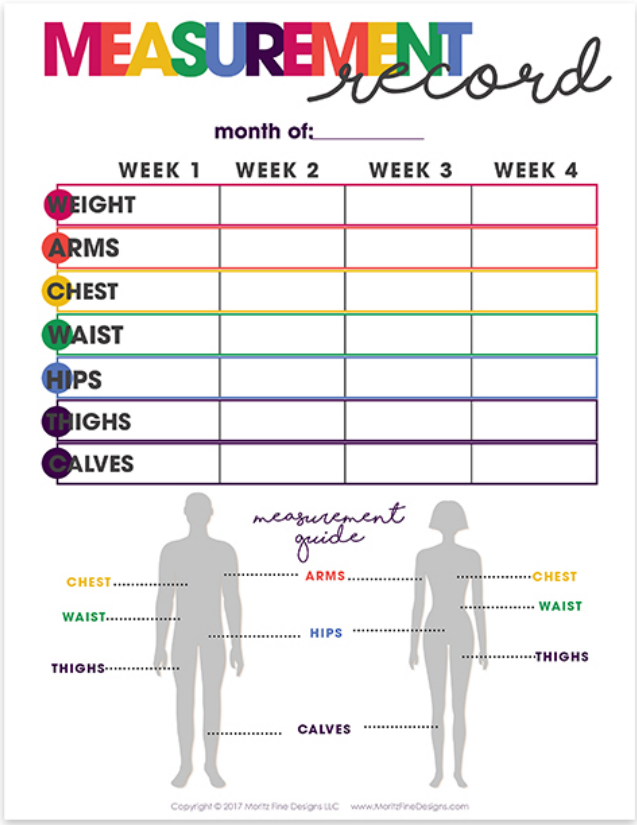
- Maintaining the data or information is tedious.
- Customer can’t change their details once application is submitted. It would only require admin to change the data.
- Require the large database.

GYM MANAGEMENT SYSTEM PICTURES

- **GYM INFRASTRACTURE :**



- **Records of gym:**



- **Records of member :**

GYM MANAGEMENT SYSTEM

AIM:

To implement the java program for Online GYM System which as:-

- **Home page, Admin, Login.**
- **Customer Login, Adding Customer record.**
- **Displaying record , Deleting record.**

JAVA PROGRAM:

```
import java.util.*;

class project
{

    Scanner ob = new Scanner(System.in);
String username;
String password;

String customer_name[] = new String[10];
int customer_age[] = new int[10];
String customer_desc[] = new String[10];
String customer_intime[] = new String[10];
String customer_outtime[] = new String[10];

/*customer_name = new String[10];
customer_age = new int[10];
customer_desc = new String[10];
customer_intime = new String[10];
```

```
customer_outtime = new String[10];
*/
int record_counter=0;

void login()
{

System.out.println("*************************************************
*****************************************************************
************************************");
  System.out.println("____  __ __  ___ ___     ___ ___   ____  ____    ____  ____
___  ___ ___    ___  ____   ______      _____ __ __   _____ ______   ___  ___
___");
 System.out.println("/   ||  |  ||   |   |    |   |   | /   ||   \\ /   | /   | / _]|   |   | /
_]|   \\ |      |    / ___/|  |  | / ___/|     | / _]|   |   |");
System.out.println("|   __||  |  || _   _ |   | _   _ || o  || _  || o  ||   __| / [_ |
_   _ | / [_ | _  ||     |   (  \\_ |  |  |( \\_ |     | / [_ | _   _ |");
System.out.println("|  |  ||  ~  ||  \\_/  |   |  \\_/  ||    ||  |  ||    ||  |  ||
_]|  \\_/  ||   _]|  |  ||_|  |_|    \\__  ||  ~  | \\__  ||_|  |_||   _]|  \\_/  |");
System.out.println("|  |_ ||___, ||   |   |   |   |   ||  _  ||  |  ||  _  ||  |_ ||   [_ |
|   ||   [_ |  |  |  |  |      / \\ ||___, | / \\ |  |  |  |   [_ |   |   |");
System.out.println("|    ||    ||   |   |   |   |   ||  |  ||  |  ||  |  ||    ||    ||   |   ||
||  |  |  |  |      \\    ||    | \\    |  |  |  |    ||   |   |");
System.out.println("|___,_||____/ |___|___|    |___|___||__|__||__|__||__|
__||___,_||_____||___|___||_____||__|__|  |__|      \\___||____/  \\___|
|__|  |_____||___|___|");
System.out.println("*************************************************
*****************************************************************
************************************");


System.out.println("########################################");
System.out.println("#                                      #");
System.out.println("#                                      #");
System.out.println("#        ****Login Page****            #");
System.out.println("#                                      #");
System.out.println("#                                      #");
System.out.print("          Username : ");username = ob.next();
System.out.print("          Password : ");password = ob.next();
System.out.println("#                                      #");
System.out.println("#                                      #");
System.out.println("#                                      #");
System.out.println("#                                      #");
System.out.println("#                                      #");
System.out.println("########################################");

if(username.equals("admin") && password.equals("admin"))
{
```

```
        System.out.println("Welcome to the Admin Panel!");
        String exit="Y";
                do{

System.out.println("*****************************************");
        System.out.println("* Choose what to do from the foll. menu :   *");
        System.out.println("* 1 : Enter a record                *");
        System.out.println("* 2 : Delete a record               *");
        System.out.println("* 3 : view a customer               *");
        System.out.println("* 4 : Logout and Exit               *");

System.out.println("*****************************************");
        System.out.print("Enter a choice : ");
        int a = ob.nextInt();


        int i; // Record counter



        if(a==1)
        {
                System.out.print("Enter how many customer records to enter :
");
                int rec = ob.nextInt();
                for(i=0;i<rec;i++)
                {

System.out.println("=======================================");
                        System.out.print("\nEnter customer name : ");
                        customer_name[i] = ob.next();
                        System.out.print("\nEnter customer's age : ");
                        customer_age[i] = ob.nextInt();
                        System.out.print("\nEnter customer's description : ");
                        customer_desc[i] = ob.next();
                        System.out.print("\nEnter last in-time (HH-MM-SS) : ");
                        customer_intime[i] = ob.next();
                        System.out.print("\nEnter last out-time (HH-MM-SS) : ");
                        customer_outtime[i] = ob.next();

System.out.println("=======================================");
                        record_counter++;

                }

        }

        else if(a==2)
```

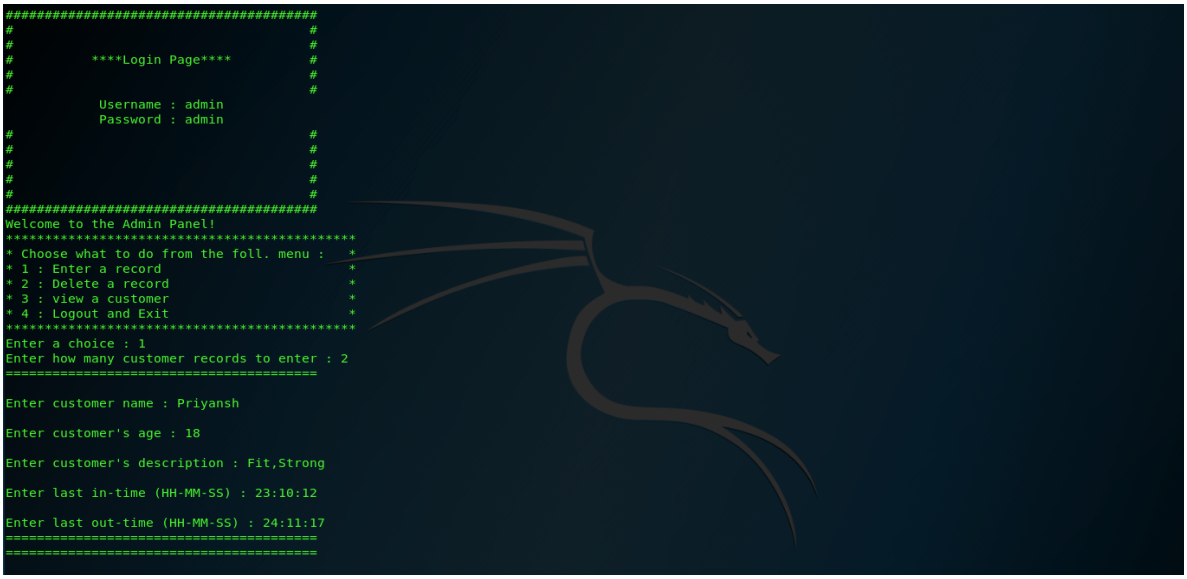
```
        {
                System.out.println("choose a record from the below to delete :
");
                for(int j=0;j<record_counter;j++)
                {
                        System.out.println(j+1 +" : "+customer_name[j]);
                }
            System.out.print("\nChoose any of above to  delete : ");
            int o = ob.nextInt();
            System.out.println("Remember this will delete all the information for
the particular record , continue?(Y/N) : ");
            String kl = ob.next();
            if(kl.equals("y") || kl.equals("Y"))
            {
                customer_name[o-1]=null;
                customer_age[o-1]=0;
                customer_desc[o-1]=null;
                customer_intime[o-1]=null;
                customer_outtime[o-1]=null;
            }
        }
        else if(a==3)
        {
                System.out.println("Displaying the records : ");
                for(int j=0;j<record_counter;j++)
                {
                        System.out.println(j+1 +" : "+customer_name[j]);
                }
                        System.out.println("Choose any of the above to display
details : ");
                int n = ob.nextInt();
                System.out.println("Displaying record details : ");
                System.out.println("Customer name : " + customer_name[n-1]);
                System.out.println("Customer Age  : " + customer_age[n-1]);
                System.out.println("Customer Desc : " + customer_desc[n-1]);
                System.out.println("Last In-Time  : " + customer_intime[n-1]);
                System.out.println("Last Out-Time : " + customer_outtime[n-1]);
        }
        else if(a==4)
        {
                System.out.println("Thank you for using our Gym's management
Portal!");
                System.out.println("Have a Dope time Working Out! Bye!");
                return;
        }
      }while(exit!="Y" || exit!="y");
}
else
```

```
    {
System.out.println("\n*****Welcome to our Customer Panel "+username+"!!
******!!");
System.out.println("\nHere's a list of all present members of our Gym!");
    String rem = "Y";
while(rem.equals("Y") || rem.equals("y"))
        {
        for(int j=0;j<record_counter;j++)
                {
                        System.out.println(j+1 +" : "+customer_name[j]);
                }
                        System.out.print("Choose any of your collegue's id to
display their details : ");
                int n = ob.nextInt();

System.out.println("\n\n\n==================================");
                System.out.println("Displaying record details : ");
                System.out.println("Customer name : " + customer_name[n-1]);
                System.out.println("Customer Age  : " + customer_age[n-1]);
                System.out.println("Customer Desc : " + customer_desc[n-1]);
                System.out.println("Last In-Time  : " + customer_intime[n-1]);
                System.out.println("Last Out-Time : " + customer_outtime[n-1]);

System.out.println("\n\n\n==================================");
                System.out.print("\n\nDo you want to return to previous page?
(Y/N) : ");
                rem = ob.next();
   }
  }
}

public static void main(String []args)
{
    Scanner ob = new Scanner(System.in);
project obj = new project();
String v = "Y";
while(v.equals("Y") || v.equals("y"))
    {
 obj.login();
System.out.println("\n\n\n==================================");
System.out.print("Do you want to login again??(Y/N) : ");
v = ob.next();
System.out.println("\n\n\n==================================");
}

}
}
```

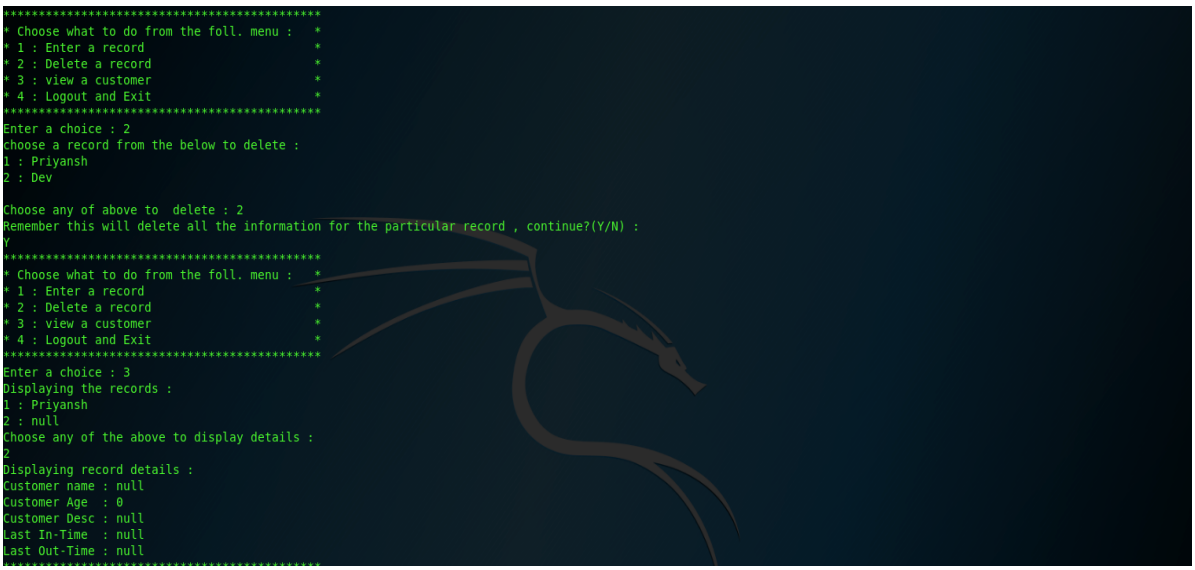
Output:

Admin Panel :

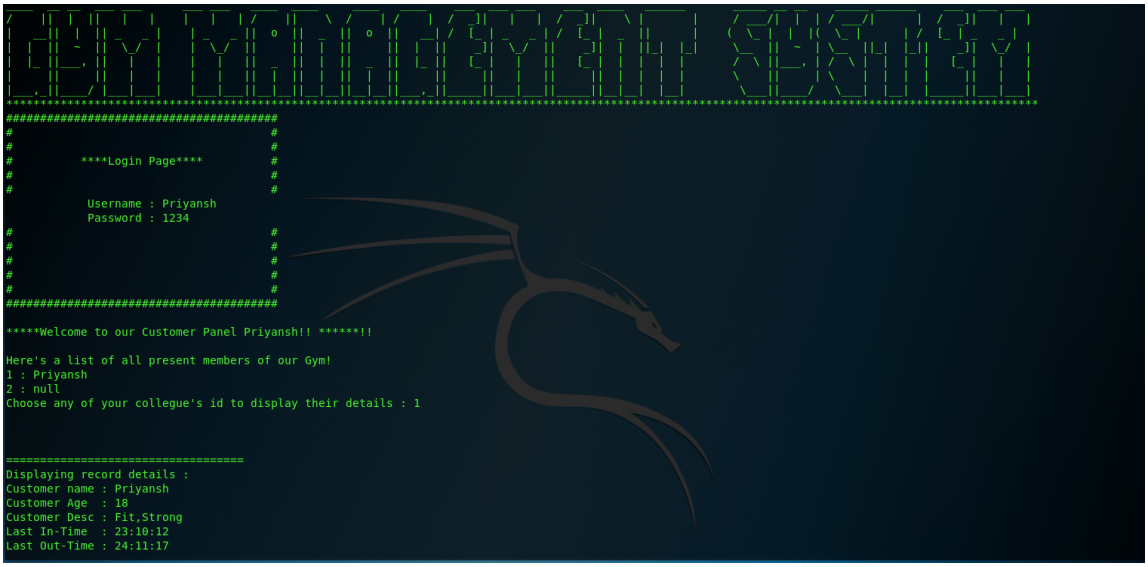
Adding a Record :



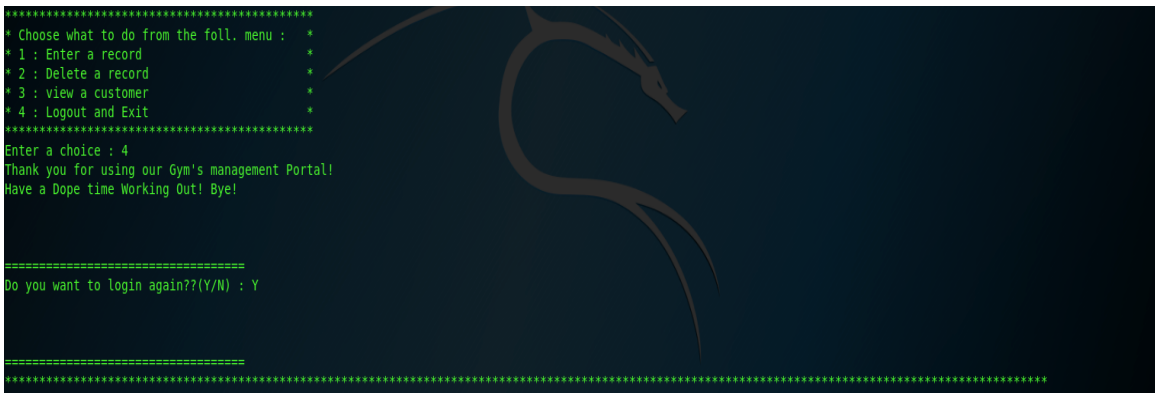
Deleting a record :



Customer Panel :



Logout Page :



EXPLANATION ABOUT PROJECT:

This Project basically have 3 basic modules:

1) Admin Login : Admins can Edit , Enter , as well as delete a record for customer. The default password and username for admin panels are 'admin' and 'admin' as in most of the systems.

2) Customer Panel : Customers can only view either their own records or one of their collegue's records.

3) Displaying record , Deleting record

This module used to view & delete Customers Details.

Whole Project is Solely Console Based hence no HTML code is needed.

REFERENCES:

1. Google Images
2. Wikipedia(Explanation)

CONCLUSION:

The “GYM MANAGEMENT SYSTEM” is successfully designed and developed to fulfilling the necessary requirements, as identified in the requirements analysis phase, such as the system is very much user friendly, form level validation and field level validation are performing very efficiently. The old manual system was suffering from a series of drawbacks. The present project has been developed to meet the aspirations indicated in the modern age.